

FIG. 1C

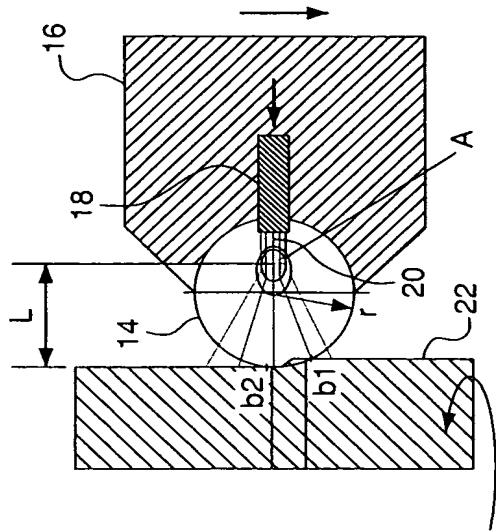


FIG. 1B

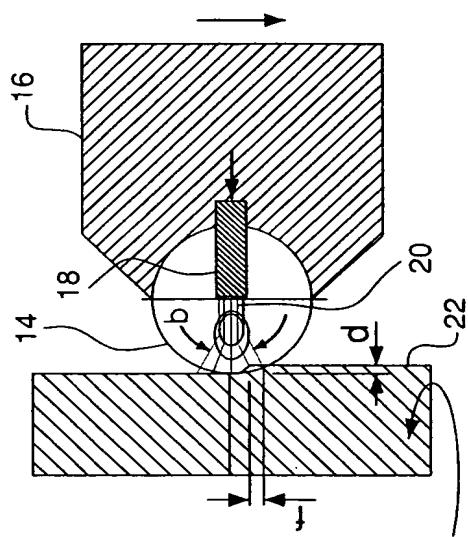
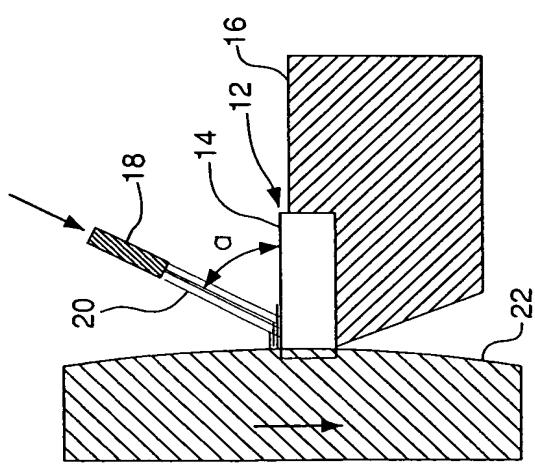


FIG. 1A



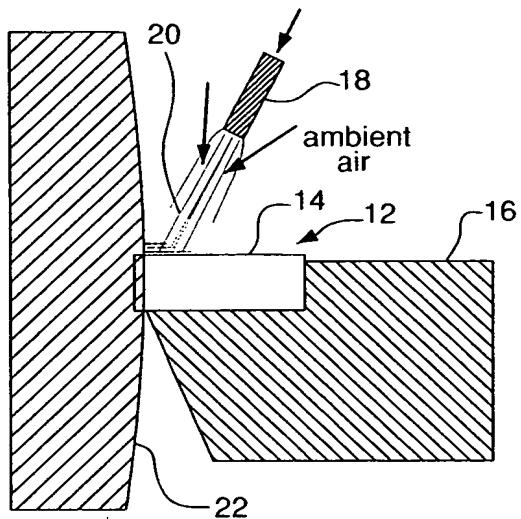


FIG. 2A

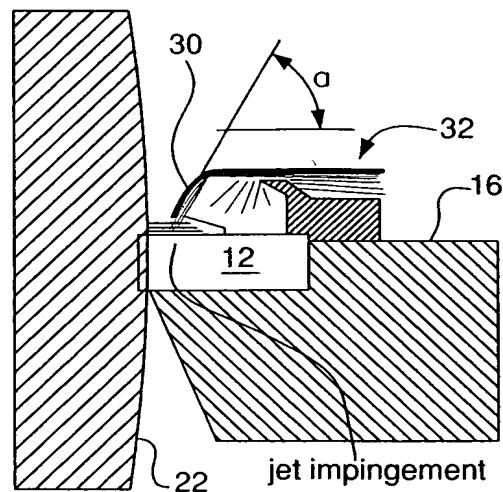


FIG. 2C

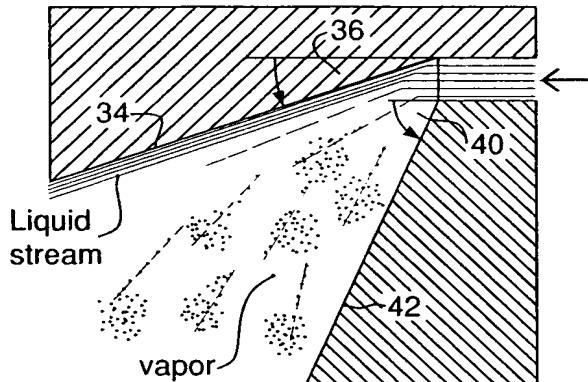


FIG. 2B

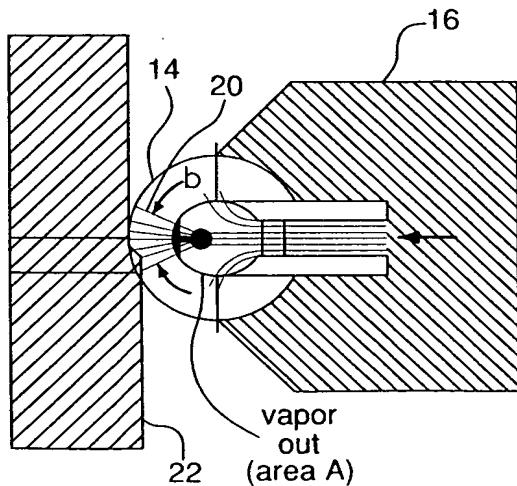


FIG. 2D

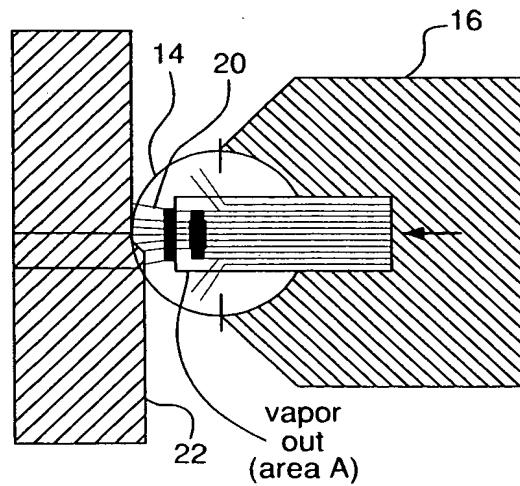
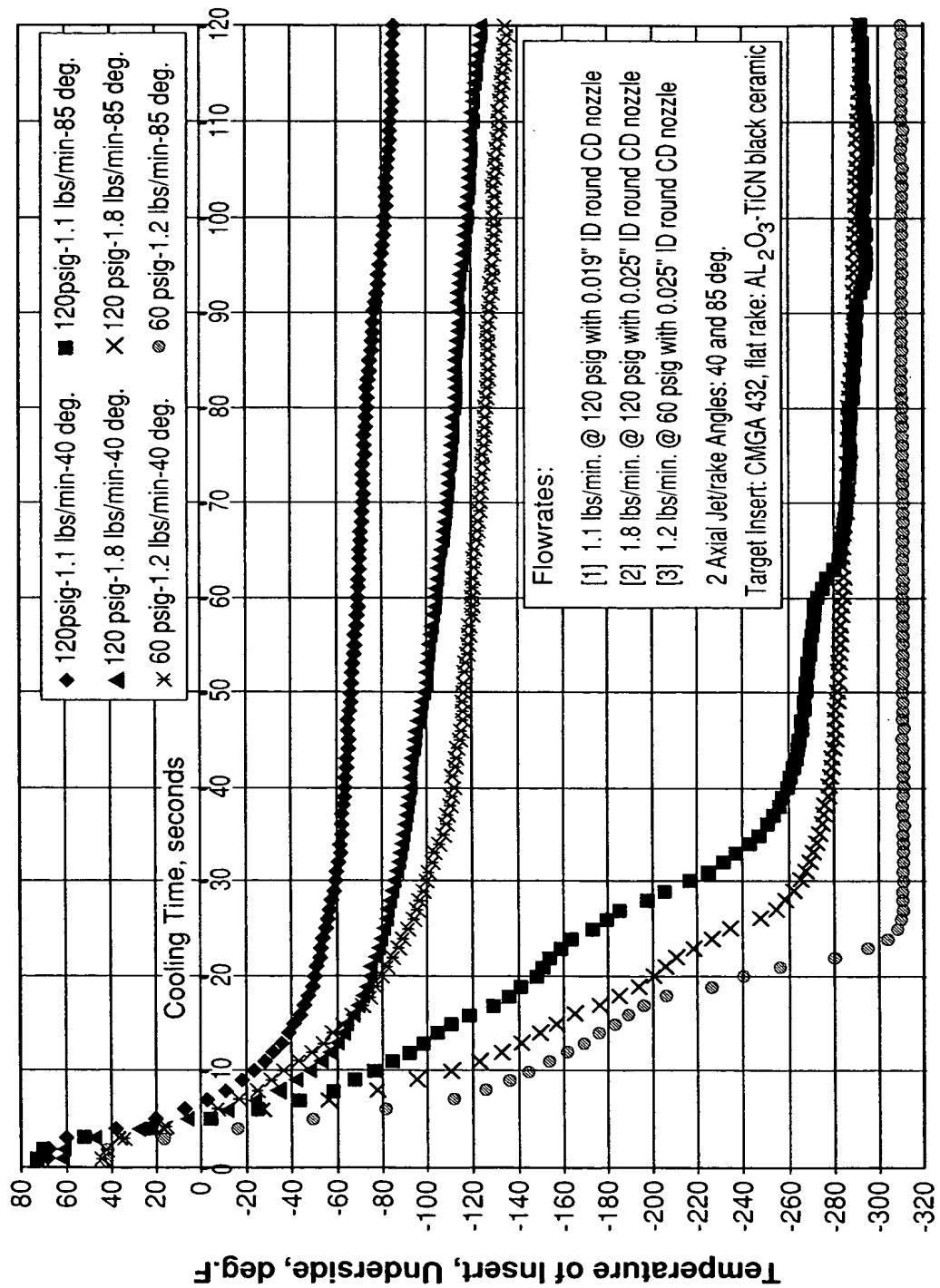


FIG. 2E

**FIG. 3**



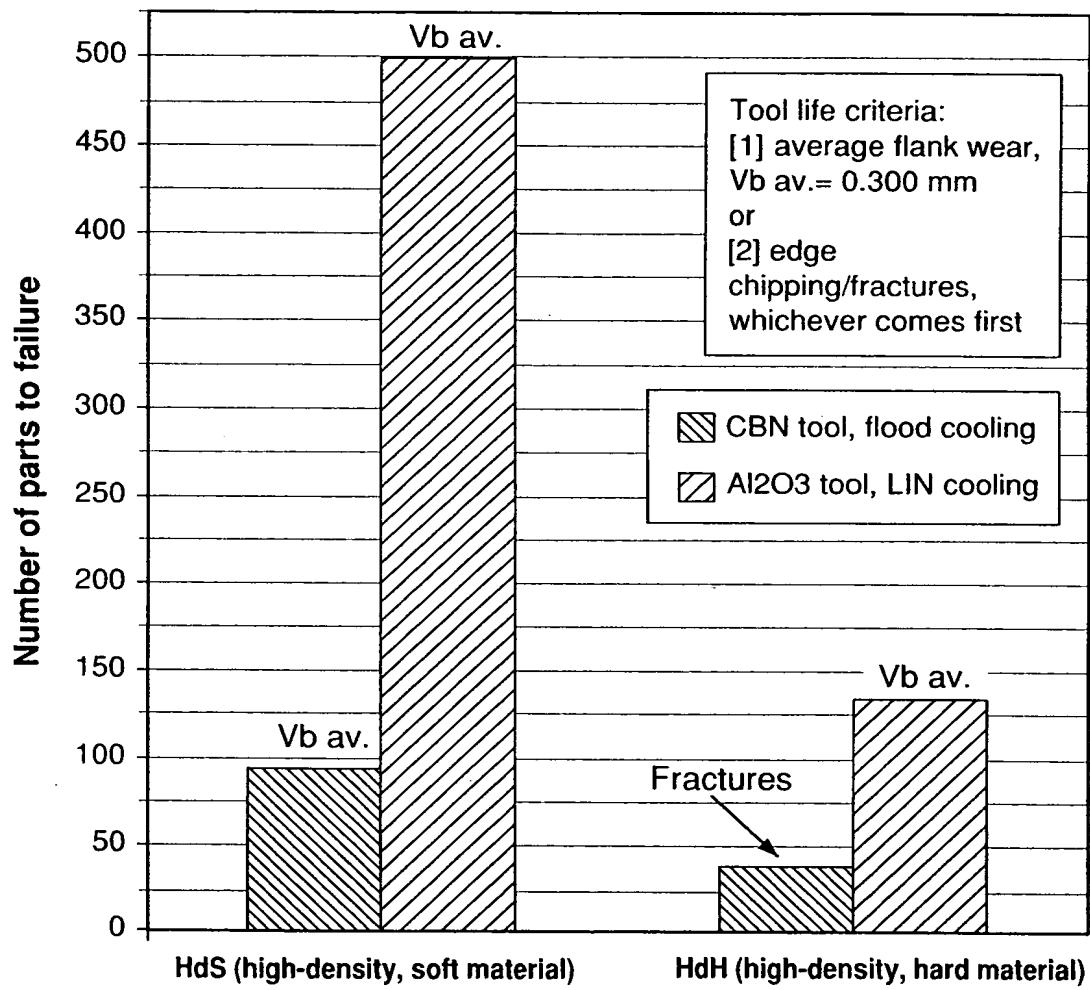
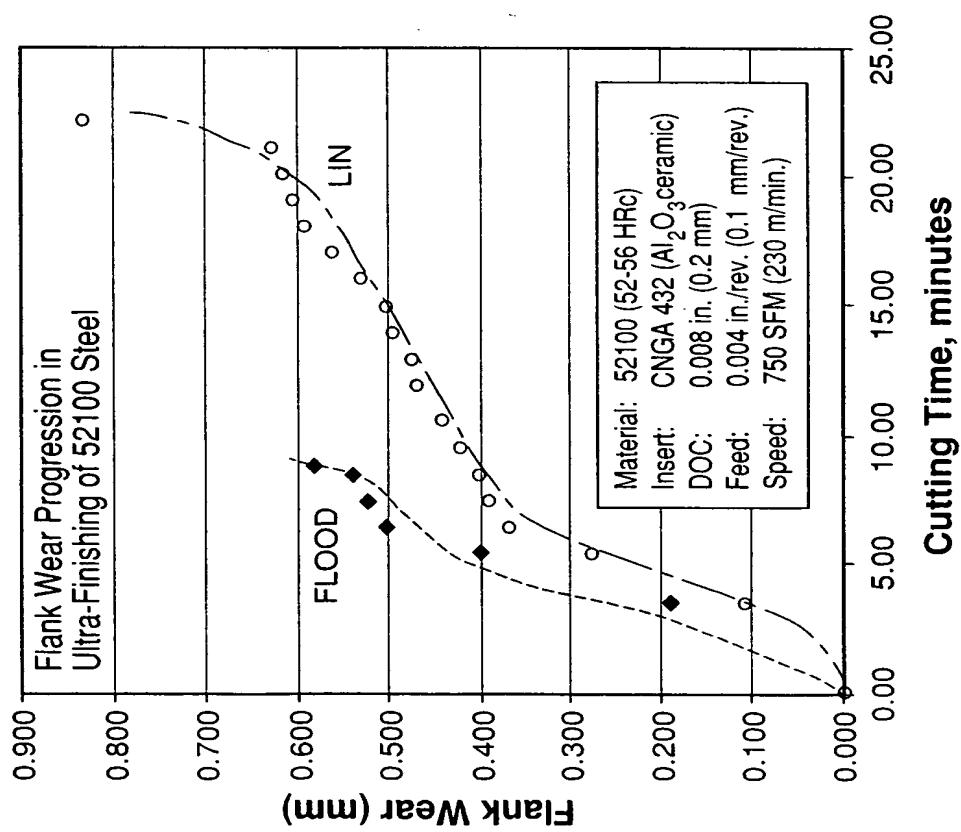
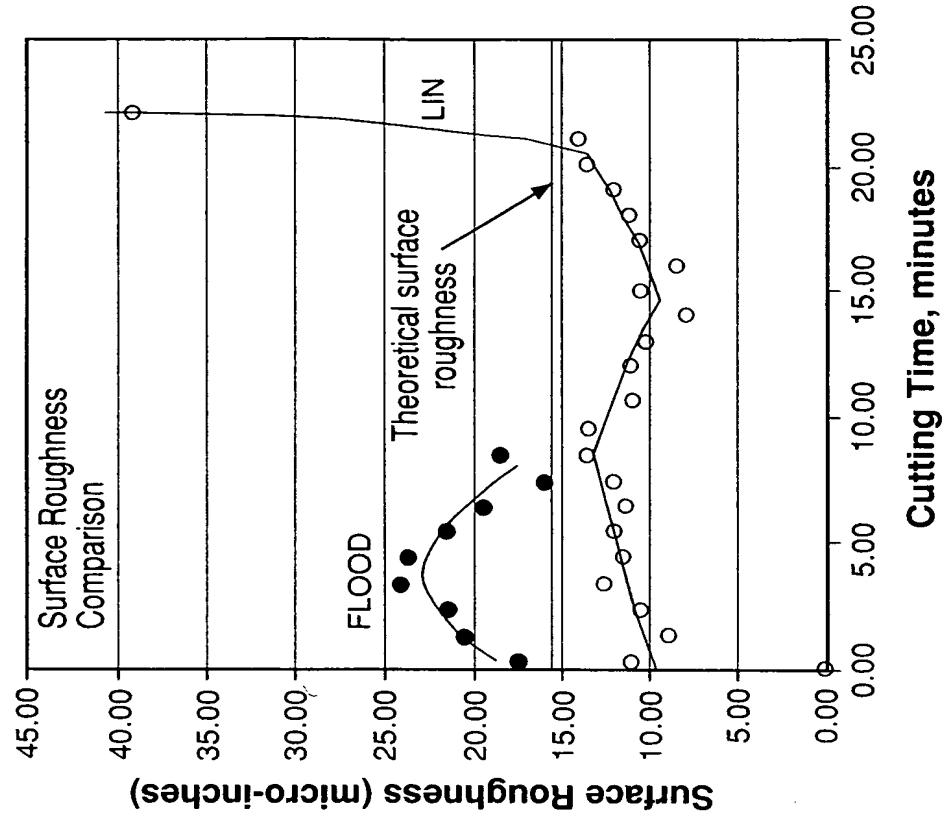


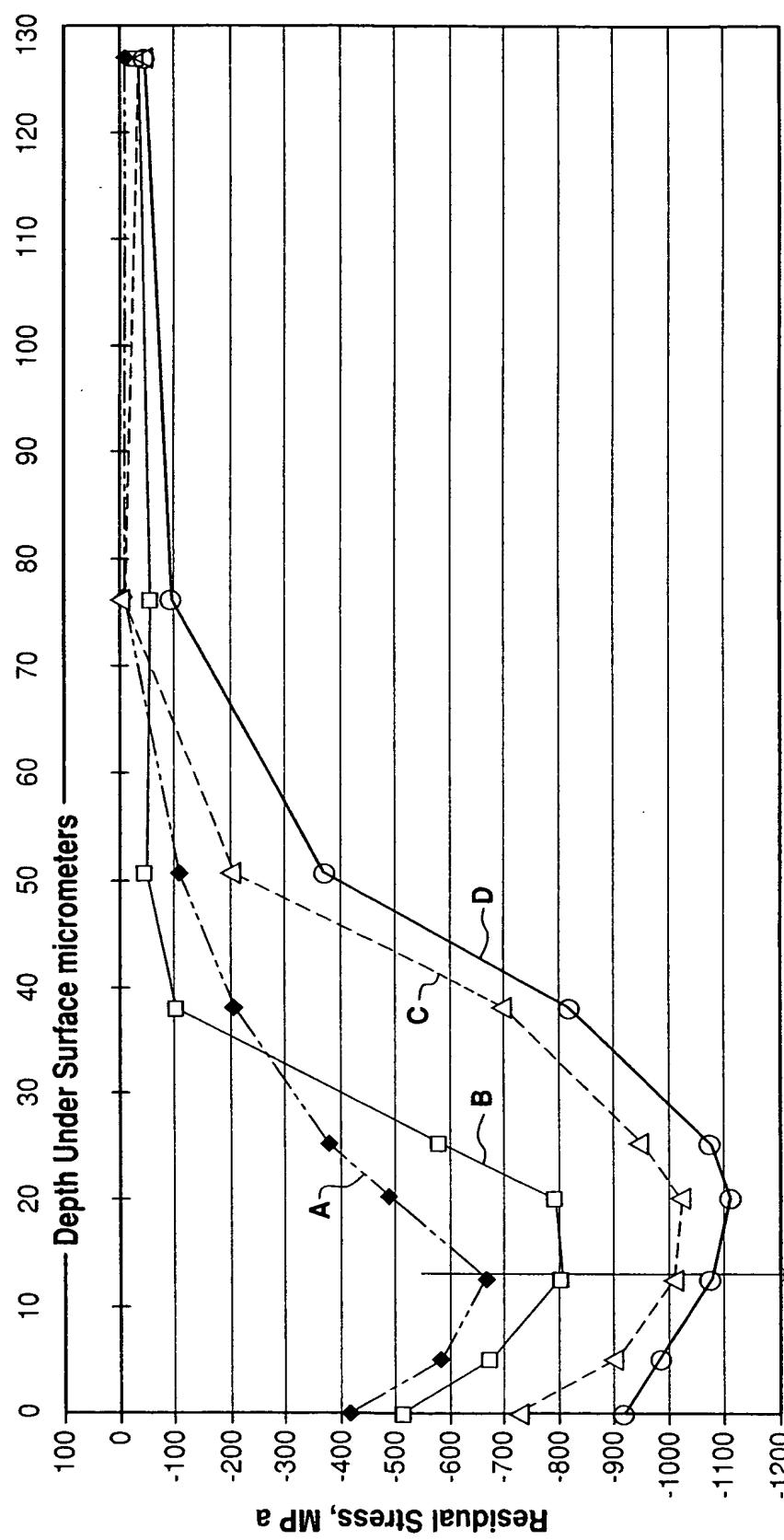
FIG. 4



**FIG. 5A**



**FIG. 5B**



**FIG. 6**

progressively reduced temperature and increased hardness of work material surface during processing operation